



Docket No. 46074-DIV 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J. Sharon

Serial No.: 09/855,316

GROUP: 1642

Filed: May 15, 2001

EXAMINER: Yaen, C.

For: POLYCLONAL ANTIBODY LIBRARIES

6/c
JM
3/19/03

Box Amendment
The Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED
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TECH CENTER 1600/2900

Sir:

AMENDMENT

In response to the Office Action dated October 3, 2002, enclosed is a Petition for a Two Month Extension of Time and Payment of Fee. Please amend the above-described application as follows:

IN THE SPECIFICATION:

Please replace the paragraph on page 12, lines 25 – 26, with the following paragraph:

C1
Figures 2A – 2D. Diagrammatic representation of the construction of (Figure 2A) pUC19-Cκ-CH1, (Figure 2B) pUC119-Cκ-CH1, (Figure 2C) pLPP12, and (Figure 2D) pJS.

Please replace the paragraph bridging page 12, line 27 to page 13, line 1, with the following paragraph:

C2
Figures 3A – 3C. Partial maps of phagemid expression vectors (Figure 3A) pComb3, (Figure 3B) phh3, (Figure 3C) pLPP1, and (Figure 2D) phh3mu or phh3hu, shown not to scale. Amino acids contributed by the vectors are shown in one letter code in front of the Fd

and L chain genes. P = promoter; l = leader sequence; lmod = leader sequence with modified nucleotide sequence.

Please replace the paragraph on page 13, lines 2 – 6, with the following paragraph:

C 3
Figures 4a – 4C. Schematic diagram of (Figure 4A) a murine dual vector, pMDV, (Figure 4B) a chimeric dual vector, pCDV; wherein: P = promoter; E = enhancer; l = leader; ss = splice site; hum = human; and (Figure 4C) the bulk transfer of variable region sequences between bacterial and mammalian vectors.

Please replace the paragraph on page 13, line 9, with the following paragraph:

C 4
Figures 8A – 8B. Cell supernatant analysis by (Figure 8A) Western blot and (Figure 8B) ELISA.

Please replace the paragraph on page 13, lines 10 – 11, with the following paragraph:

C 5
Figures 9A – 9B. Analysis of phage binding to Ars-BSA by (Figure 9A) direct-binding ELISA, and (Figure 9B) inhibition ELISA.

Please replace the paragraph on page 13, lines 12 – 14, with the following paragraph:

C 6
Figures 10A – 10B. Generation of (Figure 10A) bacterial and (Figure 10B) mammalian vectors for expression of Fab phage-display libraries or intact antibodies derived from head-to-head linked V_H-V_L combinations.

IN THE CLAIMS:

Please amend the claims as follows:

C 7
111. (amended) A composition comprising a [polyclonal library of vectors] or [fragments thereof], wherein each vector contains a [nucleic acid segment] that encodes a pair of variable regions capable of [associating] with each other to form a binding domain and, wherein the totality of nucleic acid segments provides the polyclonality of said library of vectors, and wherein said polyclonal library of vectors has been obtained by